

# Orthopantomogram

**An orthopantomogram** is a clear panoramic X-ray image showing the dentition, both jaws, jaw joints, part of the nasal cavity and part of the maxillary cavity of the subject. It is obtained by the orthopantomography imaging technique .

- A classic OPG image has dimensions of **15 cm × 30 cm** , sometimes 30 cm × 12 cm.
- All structures are slightly magnified (1.25-1.35×) on OPG.

## Use in diagnostics

- Dental caries (depending on image quality),
- Periapical pathology,
- Cysts ,
- Radices relictæ ,
- Tumors ,
- Retained/semi-retired teeth,
- fractures ,
- Bone resorption (periodontology),
- Some TMJ disorders ,
- Foreign bodies in the jaw cavity (partially).



Orthopantomogram of mixed dentition



## OPG with description of basic structures

## Links

## Related Articles

- X-ray in dentistry
- Orthopantomography

## References

- HOUBA, Robert, Boris KREUZBERG and Jiří ZEMEN. Basics of radiodiagnostics and other imaging methods in dentistry. 1st edition. Prague: Karolinum, 1999. ISBN 80-246-0005-6 .